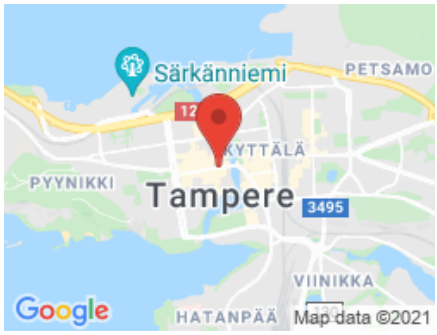
Cargotec

Ruukki energy panels in 13 different colours have been used in the exterior wall of the workshop building. A total of 5,000 square metres of energy panels were delivered for the project. The use of different coloured panels requires more planning than using just a single colour and colouring had to be taken into account at many stages in the project.



Cargotec invests in innovations and energy efficiency in Tampere

Cargotec, which supplies cargo and load handling machinery and solutions, is building a new technology and competence centre in Tampere, Finland. The centre will house a number of functions such as equipment testing, prototype development and maintenance operations, and will be operational in December 2012.

Operations requiring a lot of space

Cargotec manufactures large machinery and equipment and needs a lot of space for testing purposes. Five hectares are earmarked for the test area. Since testing the machinery and equipment is a noisy operation, the new centre had to be located away from residential areas. This is why the Härmälä district in Tampere, where Cargotec nowadays operates, was out of the question.

Cargotec places high demands on its business premises. The buildings must reflect the company's brand and the business premises must inspire work and be energy-efficient. Just like a modern office, the working premises adapt to meet requirements.

Impressive, energy efficient centre

Cargotec's technology and competence centre is on a site of around 10 hectares in the Rusko district of Tampere. The site is home to two buildings, a workshop building and office building. NCC was responsible for the construction work. The Hervanta district of Tampere, which is close to the site, is home to Tampere University of Technology, VTT Technical Research Centre of Finland and an extensive cluster of businesses.

Ruukki energy panels in 13 different colours have been used in the exterior wall of the workshop building. A total of 5,000 square metres of energy panels were delivered for the project. The use of different **coloured panels** requires more planning than using just a single colour and colouring had to be taken into account at many stages in the project. For example, energy panel production shifts, transportation and the installation sequence had to be carefully considered because each panel has its own place in the wall. Energy panels are made at Ruukki's plant in Alajärvi, Finland.

Energy panel delivery also included services such as element design and the preparation of installation diagrams. Ruukki guarantees the**airtightness of its energy panels**. Cooperation with other

construction workers, such as roof and frame installers, is required to ensure airtightness. Only authorised installation firms may install energy panels.

Ruukki delivered steel **Liberta rainscreen panels**, which were made at the Vimpeli plant in Finland, for the façade of the training centre next to the workshop building.